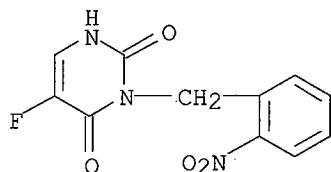
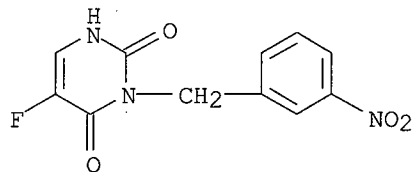


L20 ANSWER 121 OF 181 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1986:68665 CAPLUS
 DN 104:68665
 OREF 104:10985a,10988a
 TI (o- and p-Nitrobenzyloxycarbonyl)-5-fluorouracil derivatives as potential
 conjugated bioelective alkylating agents
 AU Lin, Tai Shun; Wang, Lin; Antonini, Ippolito; Cosby, Lucille A.; Shiba,
 David A.; Kirkpatrick, D. Lynn; Sartorelli, Alan C.
 CS Sch. Med., Yale Univ., New Haven, CT, 06510, USA
 SO Journal of Medicinal Chemistry (1986), 29(1), 84-9
 CODEN: JMCMAR; ISSN: 0022-2623
 DT Journal
 LA English
 OS CASREACT 104:68665
 AB A series of 5-fluorouracil derivs. I (R, R1 = H, CO2CH2C6H4NO2-4,
 CO2CH2C6H4NO2-2) were synthesized by reacting o- or p-O2NC6H4CH2O2CCl with
 5-fluorouracil in the presence of Et3N in DMF or Me2SO. The reductive
 activation of these agents was hypothesized to generate a reactive methide
 and 5-fluorouracil, two components that are capable to synergistic
 interaction through complementary inhibition. Measurement of the
 surviving fractions of EMT6 tumor cells treated with these agents in
 culture under conditions of hypoxia and aerobiosis resulted in equal cell
 kill regardless of the state of oxygenation. I (R = H, R1 =
 CO2CH2C6H4NO2-4) appeared to be superior to 5-fluorouracil in prolonging
 the survival time of mice bearing i.p. implants of the P388 leukemia and
 Sarcoma 180.
 IT 98653-09-9P 98653-10-2P 98653-11-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 98653-09-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(2-nitrophenyl)methyl]- (CA INDEX
 NAME)



RN 98653-10-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(3-nitrophenyl)methyl]- (CA INDEX
 NAME)



10/918,318 (amended)

RN 98653-11-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-3-[(4-nitrophenyl)methyl]- (CA INDEX NAME)

